GPPS

Global Process & Pipeline Services Ltd

Operational Base:

Plot 7 Eastern Bye-pass Way,
Old GRA Extension, P. O. Box 2200,
Port Harcourt, Rivers State, Nigeria
E-mail: info@gppsl.com,
Website: www.gppsl.com
Phone: +234(0)2084300668

Lagos Office:

Plot 224B, Etim Inyang Crescent,
Victoria Island, Lagos.
E-mail: info@gppsl.com,
Website: www.gppsl.com

GPPS

Global Process & Pipeline Services Ltd

CORPORATE BROCHURE

About Us

Global Process and Pipeline Services Limited (GPPSL) is a Nigerian Indigenous oil and gas process and pipeline services company. The company was established in 2002 and commenced full operation in 2011. Our infrastructure comprises a head office facility in Port Harcourt including workshops and a sales office in Lagos. We have provided a wide range of cost-effective and qualitative process and pipeline services (PPS) to both local and international oil and gas producing companies within and outside Nigerian onshore and offshore territories. Hence, with employee capacity of up to 71, GPPSL has won multiple excellent service awards for both safety performance/compliance and quality of services.

The process and pipeline services provided by GPPSL include facility/pipeline flushing, integrity/pipeline hydrotesting, pipeline flooding, pipeline dewatering and drying, nitrogen leak testing, nitrogen/helium leak testing, flange management services, tank and vessel cleaning, desanding, and nitrogen membrane and purging Services, fluid pumping/transfer services, hydro jetting/pneumatic cleaning services (for heat exchangers and process piping), nitrogen packing and inerting. GPPSL is also involved in deep water pipe repair/clamping and subsea umbilical risers and flowline services. These fall within the pre-commissioning, commissioning, decommissioning, shutdown maintenance, turnaround maintenance, facility startup, facility operational/contingency backup, facility integrity assessment/management windows.

Impressive records of accomplishment have been built over the years with a significant investment in pipeline, nitrogen specific and specialized equipment inventory. Thus, GPPSL owns and operates the largest selection of brand-new fluid pumping, tank cleaning, nitrogen membrane, gas boosters and nitrogen purging equipment in Nigeria as of today. Also, our dedicated teams are experts in the specific lines of business and have records of accomplishment of safely and efficiently executing projects in challenging environments within and outside Nigeria.

The management team comprises Nigerian Engineers with many years of vast experience in oil and gas pipelines and facilities maintenance, pre-commissioning, fabrication, commissioning, tank cleaning and pumping services. All the employees have vast experience in process and pipeline services, and the local knowledge of the oil and gas bearing is also a significant advantage.

Our Clients

seplat · TotalEnergies · Chevron · ExxonMobil · Shell · SNEPCO · FIRST E&P (First Exploration & Petroleum Development Company Limited) · Seplat Energy · Nigeria LNG Limited · Addax Petroleum · NigerStar 7

Our Partners

EQUIPMENT UK · SUPAVAC · GENERON

Services Provided

1. POST CONSTRUCTION SERVICES

- Pipeline Flooding
- Gauging & Testing
- Hydrotesting
- Retro-ietting
- High Speed Flushing
- Flange Management and Controlled Bolting Services
- Valve Testing
- Bolt Tensioning and Torquing

2. PUMPING SERVICES

- Flushing and Pumping
- Nitrogen and High-Volume Air Services.
- Nitrogen Generation and Membrane Services.
- Stuck Pig Recovery
- Pumping Support for Pigging, and Inspection

3. COMMISSIONING & MAINTENANCE SERVICES

- Nitrogen Purging
- Nitrogen Packing and Foam Inerting
- Nitrogen / Helium Leak Detection
- Pipeline Cleaning
- De-sanding
- Descaling & De-oiling
- Pipeline Gel Application
- Lube Oil Flushing
- Chemical Cleaning
- Tank and Vessel Cleaning
- Chemical Cleaning (Acid degreasing and Pickling)

4. SUBSEA SERVICES

- Deepwater Pipeline Repairs
- Subsea Product Installations
- Umbilical Risers and Flowline

Pipeline Services

The range of services provided by GPPSL cuts across both new and existing pipelines. With unparalleled experience in pipeline pre-commissioning and decommissioning, we are the ideal choice to ensure your project is completed on time and within budget.

GPPSL has been involved in numerous projects over the years with the E & P companies and Pipeline Contractors in offshore, swamp and land. We have also continued to build on the extensive knowledge gained from these projects to effectively meet the ever-increasing challenges faced by the oil and gas industries.

Pipeline Equipment

- Ultra High Volume, High Volume / Pressure Positive displacement pumps
- Centrifugal pumps, single-stage and multi-stage
- Air drying units
- Air compressors
- Retro jetting pumps and accessories
- Steam jetting pumps
- Gel blenders / Batch Mixers
- 200 - 480 bbl. Break tanks
- Chemical transfer pumps
- Filtration units
- More than 5000m length of hoses of various types and sizes - flooding, suction, pressurizing, chemical, air etc
- Air hydro pumps - chemical injection, Instrumentations
- Online pig tracking equipment
- Vacuum Recovery Units
- Lube oil flushing pumps

Fluid Pumps

GPPSL has variety of fluid pumps for wide range of cost-effective and efficient fluid transfer applications including pipeline flooding, pipeline high speed flushing, pigging, condensate transfer, crude pumping/transfer, de-oiling, etc. They have been selected for diverse pressure and volume requirements.

Rig-safe multistage centrifugal pump delivering up to 45barg and 78bbl./min. discharge

Rig-safe quintuplex plunger pump delivering up to 113barg & 12.9bbl./min.

Rig-safe multistage centrifugal pump delivering up to 34barg and 46bbl./min. discharge

Rig-safe multistage centrifugal pump delivering up to 14.3barg and 19.8bbl./min. discharge

Rig-safe triplex plunger pump delivering up to 113barg & 7.7bbl./min

Hydraulic-driven submersible pump delivering up to 48bbl./min & head of 39m with powerpack

Technical Support

- Project Engineering
- Routing maintenance pigging Project Management
- De-oiling with Gel Technology
- Modelling of hydro testing and dewatering processes
- Nitrogen high pressure jetting
- Pipeline drying technique evaluations
- Scale and wax analysis and the design of removal systems
- Gel technology
- Nitrogen Foam displacement
- Dewatering pig train design for optimum water removal

Project Management Capabilities

GPPSL has specialized skillsets and state-of-the-art technology to efficiently and safely manage PPS projects within and out Nigeria. These capabilities are evident in the optimal allocation of human, material and financial resources, coupled with strategic management decisions to meet and exceed clients' expectations across all service lines. Hence, we have been the best choice in pipeline pre-commissioning, commissioning, facility shutdown/turnaround maintenance, facility operations backup, etc. projects over the years.

GPPS Personnel Training Program

GPPS Operation and Engineering team Cordination meeting.

Cross-section of Nitrogen Purging Personnels during a project

Cross-section of GPPSL team during a nitrogen leak test project

Pipeline Decommissioning

We have completed several decommissioning projects successfully. The successes were predicated on hands-on project management skills, knowledge of pipeline fundamentals, knowledge of chemical cleaning fundamentals and optimal allocation of resources. Thus, the projects were completed in cost- effective and environmentally sound manners.

High speed high volume de-oiling/flushing pump suitable for pipeline decommissioning

High pressure moderate volume de-oiling/flushing pump suitable for pipeline decommissioning

High speed medium volume de-oiling/flushing pump suitable for pipeline decommissioning

High pressure moderate volume de-oiling/flushing pump suitable for pipeline decommissioning

High volume high lift de-oiling/flushing pump suitable for condensate transfer & pipeline decommissioning

High volume air compressor with up to 24 barg & 1200 SCFM discharge

Cross-section of typical operational setup of pipeline flushing project to free the line of hydrocarbons

CROSS-SECTION OF TYPICAL OPERATIONAL SETUP OF PIPELINE FLUSHING PROJECT TO FREE THE LINE OF HYDROCARBONS

Pipeline Conditioning/Inerting

Preparation of a pipeline to receive products is one of the most critical phases of a pre-commissioning project. GPPSL draws experience in air, chemical, vacuum drying or any other the dewatering and drying activities to select the most appropriate method for each project.

Maintenance Services

Existing hydrocarbon process facilities are periodically shut down to allow for the maintenance and inspection of equipment. During these shut-down periods, services such as the following are required:

- De-oiling and De-sanding to free the pipeline of hydrocarbons.
- High-volume high-speed flushing of pipeline and piping systems to remove hydrocarbons.
- Generation, supply and or pumping of nitrogen to displace hydrocarbons from a system.
- Cleaning the internal surface of equipment (heat exchangers, pipelines, vessel and tanks) to remove hydrocarbon or other deposits.
- Reinstatement and leak integrity testing
- Final system leak test prior to the reintroduction of hydrocarbons.

With the application project management skills, knowledge of the industry and optimal allocation of resources, GPPSL ensures that any maintenance project is completed in a cost- effective and environmentally compliant manner.

180K Zone 2 Nitrogen Converter Pumps delivering upto 180,000 scf/hr

2000USG ISO-PACK Vacuum Insulated DNV standard Nitrogen Tanks

Ambient Vaporiser is used to convert nitrogen to gaseous and delivering output pressures up to 40 bar (working) or 57.2 bar (testing)

Highly trained and competent Operators supplying compressor air in a clients facility

High Velocity Flushing/High-pressure Jetting

GPPSL has high velocity flushing and high-pressure retro jetting pumps and accessories for any project that requires high velocity and high-pressure cleaning of the facility. These units are used for both internal and external surface preparation/jetting on head exchanger tubes/shells, jetting off scales from pipelines of different sizes.

Cleaning with high-pressure water retro jetting is fast and cost effective with less fear and hassles of environmental impact with GPPSL. It is utilised for cleaning both large and small diameter pipe work without the need for massive diesel driven pump spreads and unmanageable quantities of water, and applies for short length of piping, vessels, tanks, and heat exchangers.

The water velocity at the point of contact on the pipe wall is much greater with pressures up to 10,000 psi being achieved. This can quickly remove all kinds of scale and deposits and will even cut right through concrete. The 'retro' action of the jets displaces loose debris and pushes it out toward the hose entry point and pulls' the hose into the pipe.

GPPSL has high-pressure jetting pumps rated up to 40kpsi. With this capacity, these pumps can support subsea cleaning/cutting (support underwater robot for pipeline clamping, growth removal on well heads etc).

Also, GPPSL has multiple high velocity flushing pumps. These pumps are utilized to clean long pipelines and vessels. The high flow rates and relatively high pressures enable them to clean sludge and slurry in large volumes of piping system effectively.

A high-pressure jetting operation in a storage tank using retro jetting gun

A high velocity flushing pump used for high-volume long-distance pipelines and vessels

HIGH-PRESSURE RETRO JETTING PUMP CAPABLE OF DELIVERING 20KPSI

Oil Flushing

The removal of unwanted particles from hydraulic control system is critical to their safe and operational efficiency. Oil flushing techniques involves both high velocity, pressure-pulsed and flow-pulsed techniques to generate the turbulent flow characteristics required to achieve NAS or ISO cleanliness standards. Onsite analysis and particle count of the flushing fluid provide confirmation that all systems meet or exceed specified cleanliness criteria.

GPPSL pre-operational chemical cleaning and oil flushing services assure that compressors and facility equipment start-up run smoothly without interruption from contaminants and fouling. Contaminants which must be removed from hydraulic and lube oil systems for trouble free operation include mill scale, rust, construction debris, oil, grease, pipe dope, dirt, water, weld beads, sand and other foreign materials.

Extremely small particles in hydraulic fluid or lube oil can cause severe damage to equipment with very tight tolerances. Control valves, bearings, cylinders and instrumentation are subjects for scoring if the oil is not clean. Many Of the particles, which must be removed meet owners or manufacturers specifications, are microscopic (i.e., < 40 microns, which are invisible io the naked eye). Standards for particle contamination established by SAE, NAS, ASTM, AIA and others include limits for particle contamination levels as low as 10 microns.

Mineral oil flushing unit with 2–25 micron filters & 422 GPM at 31 bar & oil viscosity of class 32

Diesel flushing unit with filtration degree of 0.8-3 micons filters & flow rate of 0.8-35 GPM

Hydraulic unit with max. inlet pressure of 1 bar & outlet pressure of 25 bar at 174 GPM

Oil flushing unit with filtration degree of 10µm Pressure Filter (x2) 10µm Return Filter & flow rate of 1000 L/min

Mineral & Synthetic Oil Mobile filtration unit with filtration wire mesh of 25/60 µm

TORQUE, BOLT TENSION AND FLANGE MANAGEMENT SYSTEM

Flange management and controlled bolting are recognized as effective components of an overall system integrity program. These services ensure proper assembly and tightening of bolted joints during construction or any subsequent intervention activity. GPPSL together with her partners strives to lead the industry in provision of flange management techniques through continual investment in field-proven, reliable equipment and comprehensive training of personnel.

Some of the causes of process systems integrity problems include incorrect joint assembly, improper tightening methods, ineffective flange tagging systems and lack of a formal flange management system. The GPPSL flange management control system assures all flange on a process system are identified and have been completed in a controlled manner that minimizes or eliminates such integrity issues.

Flange management and bolting operation of Flow-line Valves

Flange management container with assorted tools & machines

Hydraulic bolt tensioning pump & accessories

Hydraulic flange spreader & accessories

Pneumatic torquing machine with accessories

BT Series square drive ranging from 112N.m to 72000N.m,

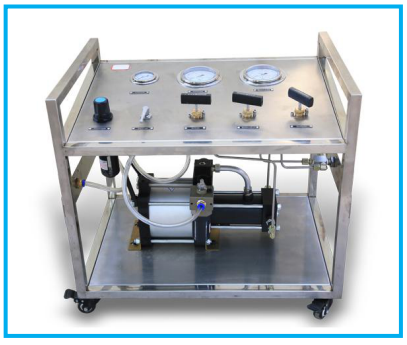
Hydrostatics And/Or Pneumatic Testing

In hydrostatic testing or simply hydro test, a liquid test medium (commonly, water) is used to ascertain the strength or leak integrity of piping systems when the weight of the test medium can be withstood by the mechanical supports of the piping systems. When weight of the test medium will pose a challenge on the supports, pneumatic test (using air, nitrogen, nitrogen-helium mixture, etc.) is recommended. GPPSL has the technical competence and equipment to plan, engineer and execute these tests safely and successfully in a cost-efficient manner.

Cross-section of gaseous nitrogen & helium racks with gas cylinders

Rig-safe liquid nitrogen pump for nitrogen leak test delivering up to 10kpsi & 180 kSCFH

Cross-section of assorted low volume hydro test pumps delivering up to 1k bar



Air-operated gas booster for high nitrogen/helium leak test with discharge pressure up to 800 barg

Drying

GPPSL offers efficient drying service during pipeline and facility pre-commissioning projects both onshore and offshore. It should be noted that efficient removal of water and moisture is critical to reliable startup and operations of critical systems. So, we have the necessary competence and equipment inventory to perform all drying and dehydration activities within pre-commissioning window. From drying with nitrogen or air to often complex vacuum drying methodology, our expertise can guide the process through proper evaluation, engineering design and execution. The result will be the most reliable and efficient drying program for the specific requirement.

Air dryer with -40°C, 25 bar & 2800 SCFM capacity

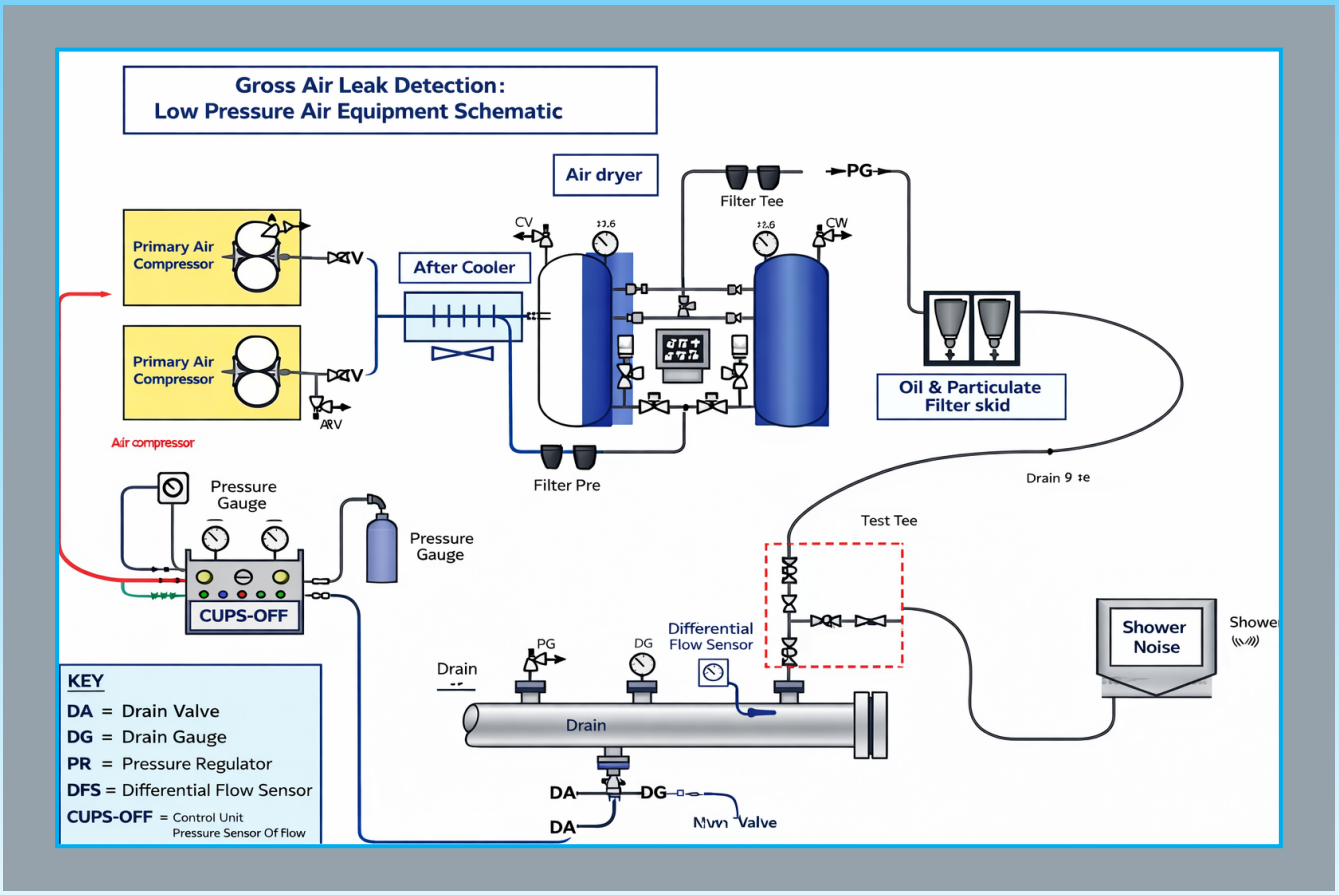
Air compressor with up to 10.3 barg & 1600 SCFM discharge

A booster compressor with discharge of up to 137 barg & 3500 SCFM

Process Services

The construction of hydrocarbon process facilities requires many support services that are not traditionally within the capacity of the nominated fabrication contractor. These services include the following:

- High-velocity flushing or high-pressure jetting of internal process piping.
- Specialized chemical cleaning of internal process piping.
- Hydrostatic and/or pneumatic testing of pipe work to confirm its integrity.
- Flushing hydraulic systems to remove any debris that may impair the start-up and safe operation of the system.
- Flange management includes controlled tightening of interconnecting pipe work, bolting and torquing.
- Prestart up "Leak test' of the process system at or near normal operating pressure to confirm system integrity prior to the introduction of hydrocarbons. E.g. Gross Air Leak test.
- Drying condition of the system in preparation of the introduction of product.
- Rendering the internal atmosphere of the process system inert through the introduction of an inert gas (typically nitrogen) at or near to startup operations.



Typical setup of leak test equipment using compressed air

Nitrogen Services

The unique properties of liquid and gaseous nitrogen offer wide range of capabilities to both onshore and offshore oil, gas and petrochemical industrials. Used predominantly during plant maintenance shutdown and start-up operations, nitrogen purging and subsequent nitrogen/helium leak testing form critical path to the success of any project.

GPPSL nitrogen equipment can provide nitrogen to gas at flow rates up to 3,000 SCFM, and at pressure ranging from nominal purging requirement up to 10,000 psi. Access to variable flow and pressure can result in time savings critical to any plant shutdown. Some of the nitrogen services we offer are listed below:

- Nitrogen Membrane Services
- Nitrogen purging - displacement/dilution (pressure cycle)
- Nitrogen Foam inerting and displacement
- Helium leak testing
- Nitrogen pigging
- Nitrogen drying
- Nitrogen pressure testing
- Nitrogen high velocity jetting / flushing
- Nitrogen mothballing

Nitrogen Membrane

Nitrogen membrane services is an industry standard technique that involves the use of specialized equipment and expertise to generate nitrogen gas on-site using membrane technology. This process separates nitrogen from compressed air, providing a reliable and cost-effective source of nitrogen for various industrial applications.

Overview of GPPS Nitrogen generation project in a clients facility membrane

Nitrogen membrane with the operators on site in a nitrogen supply project

Internal components of nitrogen membrane

Nitrogen membrane delivering up to 1500 SCFM at 290 psi & over 95% pure nitrogen gas

Nitrogen Purging

Nitrogen purging is an industry standard technique for the replacement of hazardous or undesirable atmosphere with an inert dry atmosphere. The two most common methods of purging are displacement and dilution. The geometry of the process system determines which method is used.

For simple system, displacement purging is usually more effective in terms of time and cost but, for more complex system, dilution purging is used.

Nitrogen Drying

Using nitrogen gas offers several advantages for drying operations. Cryogenic nitrogen contains only trace quantities of moisture, making it very effective in drying operations (nitrogen gas dew point is between-80 °F and 90 °F-62 °C and -67 °C). Nitrogen provides an inert atmosphere for long term preservation once the drying process is completed. This environment reduces oxidation, and no purge is required after drying is complete. Nitrogen also provides time savings since it can be used to rapidly pressurize a system.

Nitrogen/Helium Pressure Testing

Commissioning Leak Testing (CLT) is to confirm the leak integrity of system where water may not be used and has been improved and refined continuously. It is achieved by pressurizing process system or component to be tested to their design pressure with a test medium comprising of 100% nitrogen gas or a mixture

comprising 99% nitrogen and 1 % helium gas (depending on the expected leak sensitivity. To obtain 1% helium gas in 99% nitrogen gas mixture, the liquid nitrogen is pumped from the nitrogen storage tanks at the rate of, say, 1000 SCFM while the helium gas is pumped at the rate of 10 SCFM.

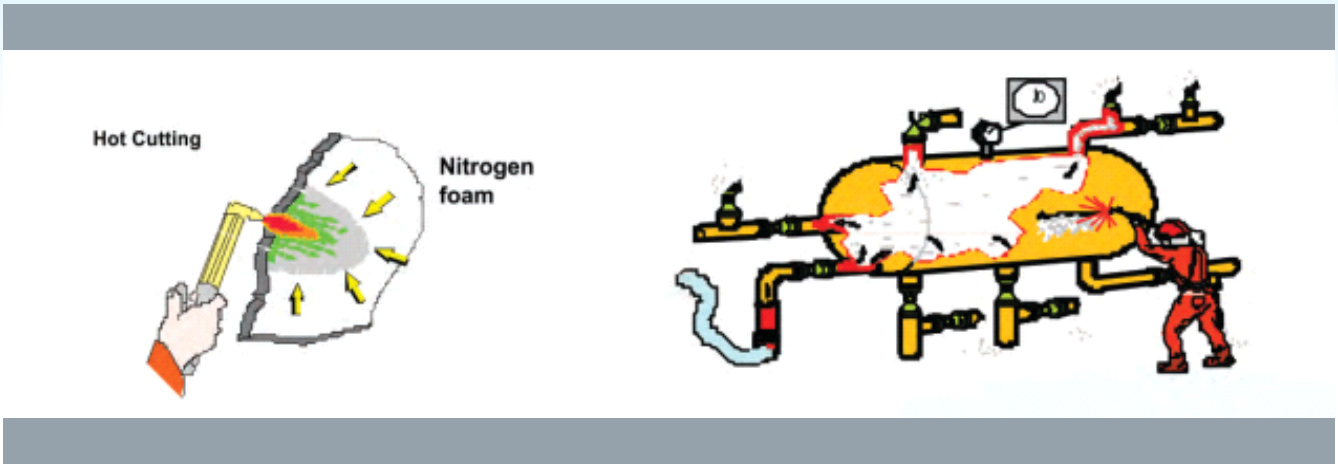
To carry out the leak test, all flanges are taped so that any gas escape from the gaskets or seals is collected in the space between the outer edge of the gasket and the tape. This is achieved by puncturing the tape with the remote probe, which in turn is connected to the portable helium mass spectrometer. Hence, any helium gas that has collected beneath the tape is sampled, detected and quantified.

Nitrogen/helium leak testing offers the advantages of reducing the oxygen content of a process plant; systems are tested close to their operating pressure. All leaks are detected and repair before usage, and an inert nitrogen blanket can be left in the system prior to start up.

Nitrogen Foam Inerting

GPPSL performs nitrogen foam inerting to enable hot work to be carried out on hydrocarbon handling systems in complete safely. The nitrogen foam is injected into a process system at a low point and allowed to completely fill the vessel and pipe work, rendering the internal atmosphere inert. On completion of hot work operation, the nitrogen foam degenerates into small amounts of water, surfactant and gaseous nitrogen.

By trapping nitrogen gas within foam bubbles, it does not escape once the system has been cut open and thus prevents any oxygen from entering the system, thereby preventing any explosive risk. Nitrogen foam inerting is ideal for destruction, decommissioning and tie-in modification scopes of work as it allows the work to be completed safely and in a much shorter time than would be required if standard purge techniques were used.



The method used for foam inerting is typically to drain or displace all residual hydrocarbon liquids from the system through the lowest point and then inject the nitrogen foam. Cutting and welding operations may then commence while the level of nitrogen foam is continuously maintained throughout the work. On completion of the work, the foam can break down on its own leaving a small residue of liquid in the bottom of the pipework.

Nitrogen Mothballing

On completion of process system or pipeline commissioning, it will occasionally be necessary to protect the system from corrosion or degradation for a period. This can be achieved by nitrogen mothballing provided by GPPSL. Thus, as nitrogen is an inert gas, it is ideally suited for this type of operation.

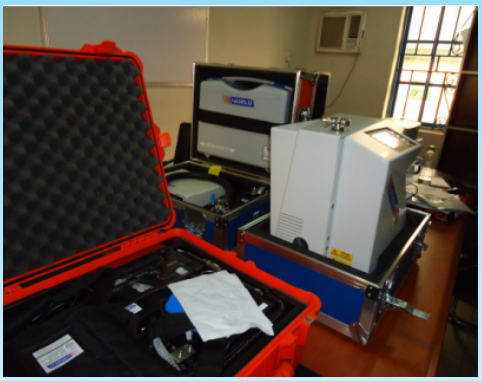
Process Equipment

Process equipment includes:

- Nitrogen Pumps
- Liquid Nitrogen tanks
- Workshop container
- Ambient nitrogen vaporizer
- Haskel Gas Booster pump
- Foam mixing unit and accessories
- Oil Flushing pumps
- Gas cylinders
- Particle counter
- Filtration units

Nitrogen membrane with the operators on site in a nitrogen supply project

Vaseco Mass Spectrometer Universal helium leak detector high sensitivity specification



High Volume air compressor delivering up to 24Bar filtered air.

DHDA118 umbilical testing pump capable of generating up to 23,695 PSI

Liquid nitrogen tank of 2,000 USG capacity

Tank And Vessel Cleaning Services

Tank and vessel cleaning service is a specialized practice that involves the professional cleaning of various types of tanks and vessels used in the oil and gas industry. These services can include automated, robotic, and man-entry cleaning methods, with a focus on safety, efficiency, and environmental responsibility. GPPS has a robust capacity for tank cleaning operations in Nigeria and has delivered this service to several clients and IOCs in Nigeria.

Personnel in tank cleaning operation during a finishing touch after sludge/slurry evacuation

Tank/vessel cleaning experts in their full safety regalia during a cargo tank cleaning project

Personnel making exit from a confined space during a man-entry tank cleaning operation

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SETS OF TANK CLEANING AIR-OPERATED VACUUM PUMP CAPABLE OF SUCKING SLURRIES/SLUDGE FROM UP TO 50M & DELIVERS TO 1000M AT FLOW RATE OF UP TO 40CMH AND ACCESSORIES IN OUR PORT HARCOURT BASE

High Performance Robotic Tank Cleaning Service Capability

GPPS has also built capacity in the highly efficient robotic tank cleaning services, which is an advanced, technology-driven solution designed to automate the process of cleaning industrial storage tanks, oil tanks, water reservoirs, and similar confined spaces. Traditionally, tank cleaning has been a hazardous, labour-intensive, and time-consuming task that exposes workers to toxic chemicals, harmful fumes, and confined-space risks. Robotic systems eliminate or significantly reduce the need for human entry, ensuring greater safety, efficiency, and environmental compliance.

These robots are typically equipped with high-pressure water jets, cameras, sensors, and remotely operated control systems that allow operators to monitor and clean tanks from outside. By utilizing automation, robotic tank cleaning not only reduces downtime and operational costs but also improves cleaning precision and minimizes waste. With industries such as oil & gas, chemical manufacturing, food processing, and water treatment adopting robotic cleaning, the technology is becoming a key driver for safe and sustainable maintenance operations.

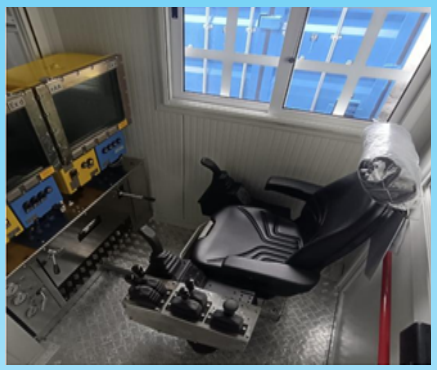
Atex Zone 0 Certified Robot with Antistatic Anti-oil Chemical Resistant Rubber Tracks and Suction Hose 100[mm] (4") with quick Couplings for super automated tank cleaning

Robotic oil storage tank cleaning in action 0containerized accessory unit package

Atex Zone 1 10ft marine container with ergonomic controls cabin installation

Atex Zone 0 containerized accessory unit

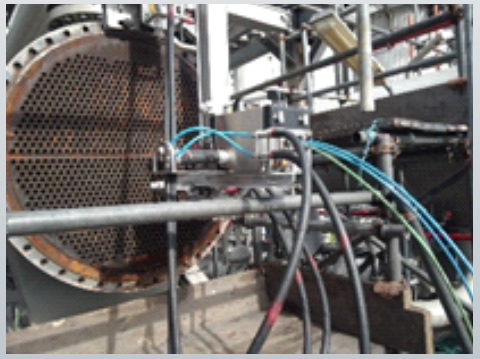
Robot automated cameras and control unit



Technical Capability And Experience

GPPSL has an unrivalled track record of successfully completed pipeline and facility management projects in challenging environments including, land, swamp, and offshore. As a growing process and pipeline company in Nigeria, we offer you the biggest range of quality equipment and the best pick of our highly trained personnel.

We have invested in procurement of brand-new specialty sets of equipment. Many of our activities fall within pipeline cleaning, testing, dewatering, drying and inerting, pressure pumping, fluid pump support and project management. Our comprehensive portfolio of services means that we can carry out all the required work scopes, without resorting to subcontractors. This means we have complete ownership of the work scope, and you have the confidence that the work is being carried out by a company that knows her business and yours. Having worked closely with many exploration and production companies, we feel that our working knowledge, the business and relationships with most of the project teams are strong. Our track record in pumping services is second to none. This is the major difference between our competitors and us. Hence, we have the full confidence of our customers that their projects are in safe and proven hands.



High-pressure jetting operation on heat exchanger using auto-box

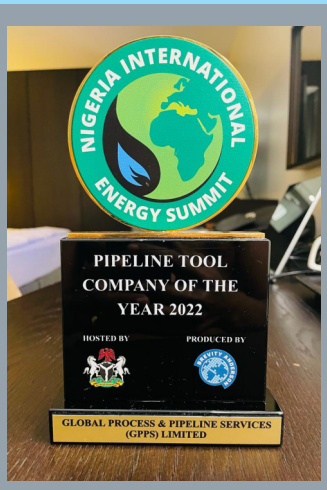
Cross-section of a velocity high-volume pipeline flushing operation in progress onsite

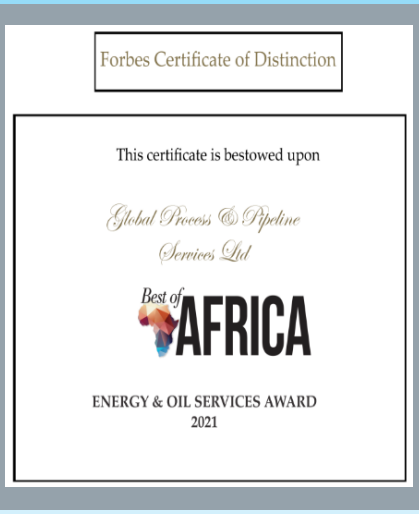
An onsite high-velocity high-volume pipeline flushing operation in progress

A high-pressure jetting operation in a storage tank using retro jetting gun

Nigerian Content

GPPSL is fully indigenous. All personnel and equipment requirements are already on ground in our Port Harcourt Base. This is to demonstrate our commitment in line the Nigerian Content Development (NCD) policy. Our local knowledge of the areas and terrains is also a significant advantage and means we have the flexibility to respond quickly.





Resources & Asset

With our strong partnership with original equipment manufacturers, we have and operate the largest selection of brand-new sets of high pressure and high-volume fluid pumping equipment. Also, we use the most fit for purpose sets of equipment on projects. Anyone can hire equipment but using our equipment means that we know the history, and we keep maintenance log.

Secondly, our most important asset is our people as we value them and their skills highly. They are central to our success and as such we build our business around a valued and motivated workforce. We have an established competency programme which aims at ensuring hands-on and classroom training in a view to improved safety and enhanced efficiency.

Our established competency programme aims to ensure both improved safety and enhanced efficiency. We make use of qualified competency assessors (both internally and externally) and produce training manuals. Our employees are sent overseas for trainings to expose them to international standards and competencies. All this helps our personnel gain vocational qualifications and internal and external competency awards.

We own and operate the largest selection of brand-new pumping equipment within Nigeria, so we can use the most fit for purpose equipment for your job. Anyone can hire equipment but using our equipment means that we know the history and keep maintenance log.

PICTORIAL VIEW OF SOME OF OUR ASSETS AT THE PORT HARCOURT BASE

AERIAL PICTORIAL VIEW OF SOME ASSETS AT OUR BASE

Our Operating Principles

We work in partnership with our clients to develop and maintain long-term relationships that add value to their projects. Our dedicated teams are experts in our line of business and have records of accomplishments on safely and efficiently executing complex projects in challenging environments. We have the flexibility to respond quickly and sensitively to clients demands leveraging on the full strength of our brand-new sets of equipment and know-how.

- **PROJECTS ARE CORE TO OUR BUSINESS -** Our people are motivated to ensure that our projects deliver exceptional performance
- **ENGINEERING IS AT THE HEART OF OUR PROJECTS -** We create technical solutions and sustainable value for our stakeholders
- **CLIENT COMMITMENT -** We make long term investments in our people, assets and know-how and we build strong relationships with clients and suppliers based on mutual trust and respect
- **PEOPLE ARE CENTRAL TO OUR SUCCESS -** We will build our business around a valued and motivated workforce

Commitment & Professionalism

We have mature project management systems and controls with a high level of knowledge related to the delivery of large, pumping, pre-commissioning, etc. projects.

Leveraging on a substantial pool of competent full-time employees and equipment, with a culture of risk awareness and mitigation, we ensure excellent service delivery.

Quality, Health, Safety, Environment And Regulatory Compliance

Safety remains at the heart of all our operations, and we are committed to an incident free workplace, every day and everywhere. Safety is one of our core values that reinforce our culture of safe behaviour. Effective safety, health and environmental leadership is essential in everything that we do.

Our Top-Down approach to HSE fosters a companywide "safety first" attitude.
In GPPSL, **'SAFETY IS EVERYBODY'S BUSINESS'.**

- Near Miss Reporting is encouraged and incentives are given.
- Specific quality and safety plans are produced for each project
- Operations risk analyses are carried out as a matter of course
- External audits are regular and successful
- Performance measurement mechanisms enhance continuous improvement
- Years of professional service has resulted in a pedigree of safety awareness with a track record

QHSE & REGULATORY COMPLIANCE

- DPR Permit, NCD Certified Audited
- ISO 9001:2015, ISO 14001:2015 and ISO 45001:2015. CERTIFIED - QUALITY MANAGEMENT SYSTEM
- SON CERTIFIED
- PROVEN SAFETY RECORDS/DPR Offshore Safety Permit
- High Ethical Standard
- Community & Environment Friendly
- ITF Complaint - Trained Personnel


CERTIFICATE

This is to certify that the Quality Management System of

GLOBAL PROCESS AND PIPELINE SERVICES LIMITED

Plot 7 Eastern Bye-Pass Way, Old GRA Extension, Port-Harcourt, Rivers State, Nigeria

has been assessed and found to conform to the requirements of

ISO 9001:2015

This Certificate is valid for the following scope

Pre-commissioning of Pipelines, Flowlines, and Risers (Flooding, Pigging, Gauging and Integrity Testing) and Umbilical, Pre-commissioning of Export and Import pipelines, Pre-commissioning and Commissioning Activities of Process facilities (Nitrogen , Helium Leak Testing, Purging and Pneumatic Testing), Hydro jetting , Water Blasting, Dewatering and drying of process piping and pipeline systems, Flange Management and Bolt tensioning, Chemical Cleaning & Lube Oil Flushing, Cleaning Solutions, Surface Pumping Services, Man Entry and Non-Man Entry Tank and Vessel Cleaning services and Nitrogen Generation Membrane Services.

Certificate No.	:AMER32884	
Original Issue Date	:23/09/2025	
Issue Date	:23/09/2025	R0
Surveillance/ Expiry Date	:22/09/2028	
Recertification Date	:22/09/2028	

Director

AMERICO QUALITY STANDARDS REGISTECH PVT. LTD

USA Office: 1603 Capitol Ave, Suite 04028, Majestic Building, Cheyenne, WY 82001

India Office: Office no 607, Commerce Center, Pimple Saudagar, Pune, 411027


CERTIFICATE

This is to certify that the Environmental Management System of

GLOBAL PROCESS AND PIPELINE SERVICES LIMITED

Plot 7 Eastern Bye-Pass Way, Old GRA Extension, Port-Harcourt, Rivers State, Nigeria

has been assessed and found to conform to the requirements of

ISO 14001:2015

This Certificate is valid for the following scope

Pre-commissioning of Pipelines, Flowlines, and Risers (Flooding, Pigging, Gauging and Integrity Testing) and Umbilical, Pre-commissioning of Export and Import pipelines, Pre-commissioning and Commissioning Activities of Process facilities (Nitrogen , Helium Leak Testing, Purging and Pneumatic Testing), Hydro jetting , Water Blasting, Dewatering and drying of process piping and pipeline systems, Flange Management and Bolt tensioning, Chemical Cleaning & Lube Oil Flushing, Cleaning Solutions, Surface Pumping Services, Man Entry and Non-Man Entry Tank and Vessel Cleaning services and Nitrogen Generation Membrane Services.

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India Office: Office no 607, Commerce Center, Pimple Saudagar, Pune, 411027


CERTIFICATE

This is to certify that the Occupational Health & Safety of

GLOBAL PROCESS AND PIPELINE SERVICES LIMITED

Plot 7 Eastern Bye-Pass Way, Old GRA Extension, Port-Harcourt, Rivers State, Nigeria

has been assessed and found to conform to the requirements of

ISO 45001:2018

This Certificate is valid for the following scope

Pre-commissioning of Pipelines, Flowlines, and Risers (Flooding, Pigging, Gauging and Integrity Testing) and Umbilical, Pre-commissioning of Export and Import pipelines, Pre-commissioning and Commissioning Activities of Process facilities (Nitrogen , Helium Leak Testing, Purging and Pneumatic Testing), Hydro jetting , Water Blasting, Dewatering and drying of process piping and pipeline systems, Flange Management and Bolt tensioning, Chemical Cleaning & Lube Oil Flushing, Cleaning Solutions, Surface Pumping Services, Man Entry and Non-Man Entry Tank and Vessel Cleaning services and Nitrogen Generation Membrane Services.

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IMPROVEMENT APPROACH

We have encouraged continuous improvement to ensure that HSE standards rise, Service quality and efficiency are continuously monitored, bench marked and improved. This is to ensure that not only health and safety standards continue to rise, but also service quality and efficiency are continuously monitored, benchmarked and improved. We are continually striving to improve our people's skills, our equipment, our technical capabilities and our commitment to clients. Regular feedback meetings, and the implementation of databases that encourage companywide technical discussions are maintained. This allows us to make qualitative decisions regarding the implementation of new technology and approach. Our commitment is not only to meet and exceed the expectations of each client, but also to meet the needs of those clients' own customers.

At GPPSL, we do not rest on our laurels. Rather, we are constantly searching for ways to improve our service, equipment, and training - in fact, continuous improvement is a big part of our culture. Since we are always striving to do a better job for you, our customer, several initiatives are taken to drive this process.

Our proven commitment to technical excellence has led to several innovations and new product developments in most areas of our services. In the pipeline service line, the GEL TECHNOLOGY for online de-sanding and stuck pig retrieval is the headlines in Production Pipeline Maintenance programs, and we have shown expertise in delivering this service to customers that have engaged us in this service line.

COST EFFECTIVENESS

Disciplined baseline management and efficient application of resources enable us to proactively control costs in all phases of project execution, thereby adding value at every phase. Also, by applying our expertise to anticipate design and facility issues before they become problems, we reduce the customer's risk and deliver maximum cost saving services.

Our Values

Our values centre on professionalism, reliability, accountability, integrity, safety and efficiency (PRAISE)

PROFESSIONALISM:

Every GPPSL employee is committed to professionalism and exhibits specialist knowledge and competency in all areas of responsibility.

RELIABILITY:

In GPPSL, we promote global best practises and engineering methodologies while assuring safety, reliability and quality of our processes and services to our clients always.

ACCOUNTABILITY:

We always ensure total accountability and are committed to sustaining same in all we do.

INTEGRITY:

We apply the highest ethical standards in everything we do. We believe that treating our clients, people and suppliers fairly and with respect we will earn their trust and build sustainable success together. Every GPPSL person is committed to be truthful, honest and dependable.

SAFETY:

Every GPPSL person must be highly conscious of the safety issues in his operating environment and also being very concerned about health and well-being of people around.

We are committed to an incident free workplace, every day, everywhere. To us safety is everybody's business. We continue to minimize the impact of our activities on the environment.

EFFICIENCY:

GPPSL personnel must be very prolific, proficient and deliver on tasks with speed having the economic implication of the dealings in view. We are predictable and reliable in our performance and strive for excellence in everything we do to achieve superior business results.

Some Of Our Past Project Records Experiences

Customer	Service	Location	Completion Date
Shell	Nitrogen Leak Test (KAMOS Test)	Bonga FPSO	Feb - 2026
Shell	SNEPCO Bonga FPSO Shutdown 2026 - Nitrogen/Leak Test for facility maintenance and re-startup	Bonga FPSO	Mar - 2026
ExxonMobil	Erha FPSO Void Tank Cleaning - Tank cleaning, waste treatment and disposal, with all related documentation	Erha FPSO	Feb - 2026
ExxonMobil SPIE	2025 Erha FPSO SD – Cleaning of sump tank for maintenance - Tank cleaning, waste treatment and disposal, with all related documentation	Erha FPSO	Jan - 2026
ExxonMobil	2025 Erha FPSO SD – Nitrogen purging for maintenance of piping and pressure vessels.	Erha FPSO	Jan - 2026
ExxonMobil SPIE	2025 Erha FPSO SD – Topside flushing to rid crude oil piping system of residual oil and make it safe for maintenance / upgrade.	Erha FPSO	Jan - 2026
Chevron Ponticelli Nigeria Ltd	Agbami FPSO Nitrogen Helium Leak Test to confirm leak tightness of disturbed flanges after maintenance.	Agbami FPSO	Jan - 2026
Seplat Energy MNL	Replacement of Inlet Gas Exchanger (IGE) - Nitrogen Purging and leak test, Nitrogen Back – puffing, and system high pressure cleaning.	EAP Offshore	Sep - 2025
Seplat Energy	Yoho YP VRU Lube Oil Flushing to remove debris, dirt, loose materials from the lube system and improve machinery efficiency.	Yoho YP	Aug - 2025
Chevron Hyprop Nigeria Limited	Cargo Pump Room Entry/ Flange Management Support on Agbami FPSO	Agbami FPSO	May - 2025

Some Of Our Past Project Records Experiences

Customer	Service	Location	Completion Date
Nigeria LNG Limited	NLNG -TR4 Shutdown Hydrotesting & Tube Cleaning Services	Bonny	Apr - 2025
Seplat Energy	Usari Top Side Piping SD Flushing Services	Usari	Apr - 2025
Seplat Energy	Erha GT1 & LPC Lube Oil Flushing Services	Erha FPSO	Mar - 2025
Seplat Energy	Yoho FSO Hydrocarbon Crude Tank Cleaning Services	Yoho FPSO	Apr - 2025
TotalEnergies	Full Field Shutdown Nitrogen Purging at four locations	Obagi, Ibewa, Rumuji facilities.	May - 2025
Seplat Energy	Inlet Gas Exchanger (IGE) system preservation with nitrogen gas.	Onne yard	Sep - 2025
Chevron	GTC#2 Heat Exchanger System Bolting and He/N2 Leak Test for maintenance activities.	Agbami FPSO	Jan - 2025
TotalEnergies	Hydrocarbon storage tank Nitrogen blanketing using Nitrogen membrane system for tank maintenance activities.	Obagi Field	Ongoing
TotalEnergies	Total JV Nitrogen Purging for SMART Plug installation for sectional replacement and re-commissioning.	Obagi Field	Dec - 2024
Chevron	Chevron 6" & 4" Gas pipelines Nitrogen Purging	Obagi Field	Dec - 2024
Chevron	Chevron 18-inch Crude Oil Pipeline high speed flushing to reduce HC content to acceptable limit for maintenance activities.	Olero Field	Dec - 2024
ExxonMobil SPIE	MPN Erha SD Pressure Vessel Cleaning for maintenance ana regulatory inspection.	Erha FPSO	Dec - 2024
ExxonMobil LES	MPN Erha FPSO SD Nitrogen Purging to reduce the HC in the system to a level for maintenance activities.	Erha FPSO	Dec - 2024

Some Of Our Past Project Records Experiences

Customer	Service	Location	Completion Date
ExxonMobil	Yoho Offshore Platform storage tank internal cleaning for regulatory inspection	Yoho YP Platform	Nov - 2024
ExxonMobil LES	MPN Erha Glycol External Filtration Unit: Installation, Monitoring, changing of filters and cleanness evaluation.	Erha FPSO	Dec - 2024
DBN Energies	Air Cooling Retro jetting & Bolting Services (DBN)	NLNG Bonny	Jun - 2024
Nigeria LNG Limited	NLNG Cooling Water Pump out during plant shut down for maintenance.	NLNG Bonny	May - 2024
TotalEnergies	AKPO FSSD Nitrogen Purging & Leak Test during FFSD maintenance and regulatory inspection.	AKPO FPSO	Jul - 2024
ExxonMobil	OSO RX GC-B-SLO Flushing to enhance system cleanness	Oso Offshore	Jul - 2024
ExxonMobil MNL	Edop Shut-down works – Nitrogen Purging, Closed drain tank cleaning and topside piping flushing, to reduce HC content to a safe level prior to repairs / maintenance.	MPN Edop	Aug - 2024
First E&P	3Nos Pipeline Pre-commissioning- Pipeline flushing, cleaning, leak test, MEG conditioning and drying and Nitrogen inerting.	FPSO	Jul - 2024
ExxonMobil	Erha FPSO Diesel Storage Tank Cleaning for tank internal inspection and to maintain clean diesel.	Erha FPSO	Ongoing
ExxonMobil	Erha FPSO MMF Vessel Cleaning for internal inspection and routine maintenance.	Erha FPSO	May - 2024
Nigeria LNG Limited	Condensate Tank Cleaning for regulatory intrusive inspection and maintenance.	NLNG Bonny	Jun - 2024
Nestlé	Heat Exchanger Tube de-blocking and cleaning to ensure flow assurance and improved efficiency.	Agbara	Jan - 2024
ExxonMobil	Erha FPSO HP Deck Cleaning to rid deck of all adhered grease, oil, and other dirt to make deck safe for work activities.	Erha FPSO	Feb - 2024

Some Of Our Past Project Records Experiences

Customer	Service	Location	Completion Date
ExxonMobil Pace	Usan FPSO Air Compressor Rental Services. Rental of 1600 CFM Air compressor for compressed air and instrument air services.	Usan FPSO	May - 2024
TotalEnergies	Total Obagi Wash Tank N2 Purging and Leak Test.	Obagi Flow Station	Feb - 2024
Nigeria LNG Limited	NLNG Shutdown Maintenance works- Cooling WATER pump out, Heat Exchanger Tubing cleaning, Hydrotest and pneumatic tests.	NLNG, Bonny	Mar - 2024
DBN Energies	NLNG Oil Flushing Piping Jetting using centralizers, and Air Blowing for cleaning.	NLNG, Bonny	Mar - 2024
ExxonMobil	Erha FPSO Lube Oil Flushing	Erha FPSO	Mar - 2024
TotalEnergies	Owaza Gas Facility Shutdown Nitrogen Purging for pressure vessel cleaning and regulatory inspection.	Owaza	Jan - 2024
ExxonMobil	QIT Cooper Heat Exchanger Nitrogen Purging prior to maintenance.	QIT	Oct - 2023
ExxonMobil	TEG Reboiler Cleaning for statutory inspection and maintenance.	Erha FPSO	Dec - 2023
ExxonMobil	MPN QIT West Flare Nitrogen Purging for maintenance.	QIT	Aug - 2023
ExxonMobil	Rental of Air Dryer for Instrument Air Services on	Erha FPSO	Jan - 2026
TotalEnergies	Total Ibewa nitrogen purging and leak test	Ibewa Flow Station	Jun - 2023
Nigeria LNG Limited	Train 3 Facility Shutdown for planned maintenance and statutory inspections - HEX tube cleaning, Pumping support and Storage tank Cleaning.	NLNG Bonny	Aug - 2023
Nigeria LNG Limited	CSU - 4 Shutdown - Heat Exchanger Tube Cleaning for internal inspection and flow assurance.	NLNG Bonny	Jun - 2023

Some Of Our Past Project Records Experiences

Customer	Service	Location	Completion Date
ExxonMobil	Usan FPSO Shutdown-Topside Flushing, Vessel cleaning and Nitrogen Services	Usan FPSO	Jun - 2023
Chevron	Nitrogen purging and leak test of scope supply and delivery of 16 bottles of Nitrogen to Agbami FPSO with accessories for purging of a 20" offloading line via a 2" bleed point.	Agbami Field	Feb - 2023
Nestlé	Nestle Malt Evaporator Exchanger Cleaning and Retro jetting Services	Agbara Plant	Mar - 2023
Chevron	Chevron Agbami FPSO Cargo Tank Cleaning for internal inspection and maintenance.	Agbami FPSO	May - 2023

WHY GPPSL

GPPSL as company prioritizes safe service delivery to meet and exceed customers' expectation.
This has always been shown in:

- Meeting project schedules by repeatedly deploying our robust operational supports and exceptional capabilities thereby accurately predicting site events and timings.
- The assurance of our customers/clients of complete project management package and reliability on our comprehensive range of services and extensive experience to always deliver our assigned scope of work without depending on subcontractors for either personnel or equipment.
- Deployment of our local knowledge and content which place us better than contemporaries in responding quickly to any operational issues which may develop during project execution.
- Our superior pre-project planning and disciplined design execution that always reduce project costs.
- Our robust track records that differentiate us from others and give us the confidence that your business goals will be met.

For more information about GPPS Ltd:

Contact any GPPSL representative or visit us
website: www.gppsl.com

Operational Base:

Plot 7 Eastern Bye-pass Way,
Old GRA Extension, P. O. Box 2200,
Port Harcourt, Rivers State, Nigeria
E-mail: info@gppsl.com,
Website: www.gppsl.com
Phone: +234(0)2084300668

Lagos Office:

Plot 224B, Etim Inyang Crescent,
Victoria Island, Lagos.
E-mail: info@gppsl.com,
Website: www.gppsl.com

GPPS

Global Process & Pipeline Services Ltd

... prioritizing safe service delivery